Connecting via Winsock to STN

Welcome to STN International! Enter x:X

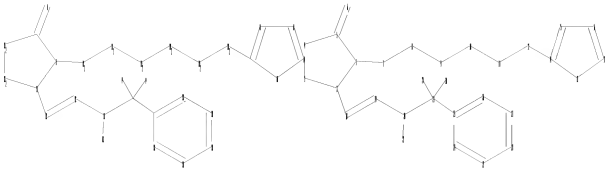
LOGINID:ssptasxbl612

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JAN 02	STN pricing information for 2008 now available
NEWS 3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 5	JAN 28	MARPAT searching enhanced
NEWS 6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 9	FEB 08	STN Express, Version 8.3, now available
NEWS 10	FEB 20	PCI now available as a replacement to DPCI
NEWS 11	FEB 25	IFIREF reloaded with enhancements
NEWS 12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS 14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS 15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS 16	MAR 31	CA/CAplus and CASREACT patent number format for U.S. applications updated
NEWS 17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS 18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS 23	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS 24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS 25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS 26	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 27	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 28	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS 29	JUN 25	CA/CAplus and USPAT databases updated with IPC reclassification data
NEWS 30	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS 31	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated

```
                organizations
 NEWS 32  JUN 30  STN on the Web enhanced with new STN AnaVist
                  Assistant and BLAST plug-in
 NEWS 33  JUN 30  STN AnaVist enhanced with database content from EPFULL

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:27:00 ON 22 JUL 2008

=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 17:27:10 ON 22 JUL 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   20 JUL 2008  HIGHEST RN 1035004-20-6
DICTIONARY FILE UPDATES:  20 JUL 2008  HIGHEST RN 1035004-20-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10511736.str
```

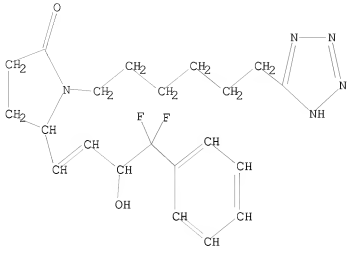


chain nodes :
6 7 8 9 10 11 12 18 19 20 21 22 29 30
ring nodes :
1 2 3 4 5 13 14 15 16 17 23 24 25 26 27 28
chain bonds :
1-7 2-18 5-6 7-8 8-9 9-10 10-11 11-12 12-14 18-19 19-20 20-21 20-22
21-25 21-29 21-30
ring bonds :
1-2 1-5 2-3 3-4 4-5 13-14 13-17 14-15 15-16 16-17 23-24 23-28 24-25
25-26 26-27 27-28
exact/norm bonds :
1-2 1-5 2-3 3-4 4-5 5-6 13-14 13-17 14-15 15-16 16-17 20-22
exact bonds :
1-7 2-18 7-8 8-9 9-10 10-11 11-12 12-14 18-19 19-20 20-21 21-25 21-29
21-30
normalized bonds :
23-24 23-28 24-25 25-26 26-27 27-28

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:Atom 24:Atom 25:Atom 26:Atom
27:Atom 28:Atom 29:CLASS 30:CLASS

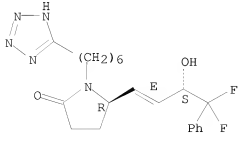
L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 fam full
FULL SEARCH INITIATED 17:27:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       11 TO ITERATE

100.0% PROCESSED       11 ITERATIONS                                3 ANSWERS
SEARCH TIME: 00.00.01

L2            3 SEA FAM FUL L1

=> d 1-3

L2   ANSWER 1 OF 3  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   849243-28-3  REGISTRY
ED   Entered STN:  26 Apr 2005
CN   2-Pyrrolidinone, 5-[(1E,3S)-4,4-difluoro-3-hydroxy-4-phenyl-1-buten-1-yl]-
     1-[6-(2H-tetrazol-5-yl)hexyl]-, (5R)-  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   2-Pyrrolidinone, 5-[(1E,3S)-4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl]-1-
     [6-(1H-tetrazol-5-yl)hexyl]-, (5R)- (9CI)
FS   STEREOSEARCH
MF   C21 H27 F2 N5 O2
SR   CA
LC   STN Files:   CA, CAPLUS, CASREACT, IMSRESEARCH

Absolute stereochemistry.
Double bond geometry as shown.
```

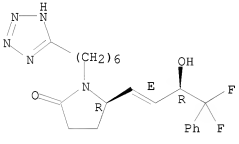


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2008 ACS on STN
RN 634193-54-7 REGISTRY
ED Entered STN: 05 Jan 2004
CN 2-Pyrrolidinone, 5-[(1E,3R)-4,4-difluoro-3-hydroxy-4-phenyl-1-buten-1-yl]-1-[6-(2H-tetrazol-5-yl)hexyl]-, (5R)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Pyrrolidinone, 5-[(1E,3R)-4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl]-1-[6-(1H-tetrazol-5-yl)hexyl]-, (5R)- (9CI)
FS STEREOSEARCH
MF C21 H27 F2 N5 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT, IMSDRUGNEWS, IMSRESEARCH, PROUSDDR, SYNTHLINE, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.

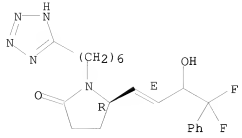


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2008 ACS on STN
RN 634193-28-5 REGISTRY
ED Entered STN: 05 Jan 2004
CN 2-Pyrrolidinone, 5-[(1E)-4,4-difluoro-3-hydroxy-4-phenyl-1-buten-1-yl]-1-[6-(2H-tetrazol-5-yl)hexyl]-, (5R)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Pyrrolidinone, 5-[(1E)-4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl]-1-[6-(1H-tetrazol-5-yl)hexyl]-, (5R)- (9CI)
FS STEREOSEARCH
MF C21 H27 F2 N5 O2
SR CA
LC STN Files: CA, CAPLUS, IMSRESEARCH, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	77.95	78.16

FILE 'REGISTRY' ENTERED AT 17:29:56 ON 22 JUL 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 20 JUL 2008 HIGHEST RN 1035004-20-6
DICTIONARY FILE UPDATES: 20 JUL 2008 HIGHEST RN 1035004-20-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> S 634193-28-5/RN

L3 1 634193-28-5/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L3 RN IN 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 1.28 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 634193-28-5 REGISTRY
IN 2-Pyrrolidinone, 5-[(1E)-4,4-difluoro-3-hydroxy-4-phenyl-1-buten-1-yl]-1-[6-(2H-tetrazol-5-yl)hexyl]-, (5R)-

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.74	79.90

FILE 'CAPLUS' ENTERED AT 17:30:41 ON 22 JUL 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 22 Jul 2008 VOL 149 ISS 4
FILE LAST UPDATED: 21 Jul 2008 (20080721/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> s l3
L4 1 L3

=> d ibib abs

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:991395 CAPLUS
DOCUMENT NUMBER: 140:23287
TITLE: 2-Pyrrolidinone derivatives for use as EP4 receptor agonists in the treatment of eye diseases such as glaucoma
INVENTOR(S): Billot, Xavier; Young, Robert N.; Han, Yongxin
PATENT ASSIGNEE(S): Merck Frosst Canada & Co., Can.

SOURCE: PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003103772	A1	20031218	WO 2003-CA838	20030602
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2488001	A1	20031218	CA 2003-2488001	20030602
AU 2003233729	A1	20031222	AU 2003-233729	20030602
AU 2003233729	B2	20071004		
EP 1513589	A1	20050316	EP 2003-727099	20030602
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005537235	T	20051208	JP 2004-510890	20030602
US 20050239872	A1	20051027	US 2004-511736	20041018
PRIORITY APPLN. INFO.:			US 2002-386499P	P 20020606
			US 2003-460134P	P 20030403
			WO 2003-CA838	W 20030602

OTHER SOURCE(S): MARPAT 140:23287

AB This invention relates to 1,5-disubstituted 2-pyrrolidinone derivs. as potent selective agonists of the EP4 subtype of prostaglandin E2 receptors, topical formulations containing the same, and their use in the treatment of glaucoma and other conditions which are related to elevated intraocular pressure in the eye of the patient.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.87	83.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.80	-0.80

STN INTERNATIONAL LOGOFF AT 17:31:48 ON 22 JUL 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:ssptasxb1612

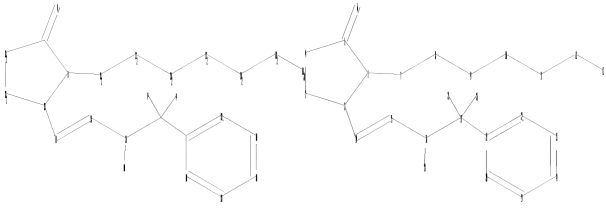
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JAN 02	STN pricing information for 2008 now available
NEWS 3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 5	JAN 28	MARPAT searching enhanced
NEWS 6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 9	FEB 08	STN Express, Version 8.3, now available
NEWS 10	FEB 20	PCI now available as a replacement to DPCI
NEWS 11	FEB 25	IFIREF reloaded with enhancements
NEWS 12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS 14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS 15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS 16	MAR 31	CA/CAplus and CASREACT patent number format for U.S. applications updated
NEWS 17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS 18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS 23	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS 24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS 25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS 26	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 27	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 28	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS 29	JUN 25	CA/CAplus and USPAT databases updated with IPC reclassification data
NEWS 30	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS 31	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS 32	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS 33	JUN 30	STN AnaVist enhanced with database content from EPFULL

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

```
 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN     Welcome Banner and News Items
 NEWS IPC8      For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:56:53 ON 23 JUL 2008

=>
=> file registry
COST IN U.S. DOLLARS                                 SINCE FILE      TOTAL
                                                        ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 10:57:03 ON 23 JUL 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   21 JUL 2008  HIGHEST RN 1035138-92-1
DICTIONARY FILE UPDATES:  21 JUL 2008  HIGHEST RN 1035138-92-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10511736 two.str
```

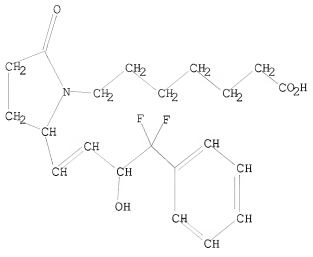


chain nodes :
6 7 8 9 10 11 12 13 14 15 16 17 18 25 26
ring nodes :
1 2 3 4 5 19 20 21 22 23 24
chain bonds :
1-7 2-14 5-6 7-8 8-9 9-10 10-11 11-12 12-13 14-15 15-16 16-17 16-18
17-21 17-25 17-26
ring bonds :
1-2 1-5 2-3 3-4 4-5 19-20 19-24 20-21 21-22 22-23 23-24
exact/norm bonds :
1-2 1-5 2-3 3-4 4-5 5-6 16-18
exact bonds :
1-7 2-14 7-8 8-9 9-10 10-11 11-12 12-13 14-15 15-16 16-17 17-21 17-25
17-26
normalized bonds :
19-20 19-24 20-21 21-22 22-23 23-24

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS

L1 STRUCTURE UPLOADED

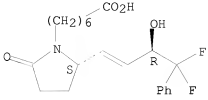
=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 fam sam
SAMPLE SEARCH INITIATED 10:57:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        1 TO ITERATE

100.0% PROCESSED         1 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:            1 TO       80
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA FAM SAM L1

=> s l1 fam full
FULL SEARCH INITIATED 10:57:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       47 TO ITERATE

100.0% PROCESSED        47 ITERATIONS                               5 ANSWERS
SEARCH TIME: 00.00.01

L3             5 SEA FAM FUL L1

=> d 1-5

L3   ANSWER 1 OF 5  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   634193-31-0  REGISTRY
ED   Entered STN:  05 Jan 2004
CN   1-Pyrrolidineheptanoic acid, 2-[(3R)-4,4-difluoro-3-hydroxy-4-phenyl-1-
     buten-1-yl]-5-oxo-, (2S)-  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   1-Pyrrolidineheptanoic acid, 2-[(3R)-4,4-difluoro-3-hydroxy-4-phenyl-1-
     butenyl]-5-oxo-, (2S)- (9CI)
FS   STEREOSEARCH
MF   C21 H27 F2 N O4
SR   CA
LC   STN Files:   CA, CAPLUS, USPATFULL
```

Absolute stereochemistry.
Double bond geometry unknown.

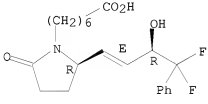


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 634193-29-6 REGISTRY
ED Entered STN: 05 Jan 2004
CN 1-Pyrrolidineheptanoic acid, 2-[(1E,3R)-4,4-difluoro-3-hydroxy-4-phenyl-1-buten-1-yl]-5-oxo-, (2R)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Pyrrolidineheptanoic acid, 2-[(1E,3R)-4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl]-5-oxo-, (2R)- (9CI)
FS STEREOSEARCH
MF C21 H27 F2 N O4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.

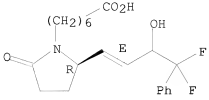


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 634193-17-2 REGISTRY
ED Entered STN: 05 Jan 2004
CN 1-Pyrrolidineheptanoic acid, 2-[(1E)-4,4-difluoro-3-hydroxy-4-phenyl-1-buten-1-yl]-5-oxo-, (2R)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Pyrrolidineheptanoic acid, 2-[(1E)-4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl]-5-oxo-, (2R)- (9CI)
FS STEREOSEARCH
MF C21 H27 F2 N O4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.

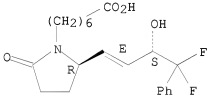


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 82303-08-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Pyrrolidineheptanoic acid, 2-[(1E,3R)-4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl]-5-oxo-, (2S)-rel- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Pyrrolidineheptanoic acid, 2-(4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl)-5-oxo-, [R*,S*-(E)]-(±)-
OTHER NAMES:
CN 1-Pyrrolidineheptanoic acid, 2-(4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl)-5-oxo-, [R*,S*-(E)]-
FS STEREOSEARCH
MF C21 H27 F2 N O4
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Relative stereochemistry.
Double bond geometry as shown.



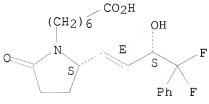
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 82303-00-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Pyrrolidineheptanoic acid, 2-[(1E,3R)-4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl]-5-oxo-, (2R)-rel- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Pyrrolidineheptanoic acid, 2-(4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl)-5-oxo-, [R*,R*-(E)]-(±)-
OTHER NAMES:
CN 1-Pyrrolidineheptanoic acid, 2-(4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl)-5-oxo-, [R*,R*-(E)]-

FS STEREOSEARCH
MF C21 H27 F2 N O4
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Relative stereochemistry.
Double bond geometry as shown.



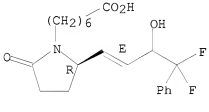
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 3

L3 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 634193-17-2 REGISTRY
ED Entered STN: 05 Jan 2004
CN 1-Pyrrolidineheptanoic acid, 2-[(1E)-4,4-difluoro-3-hydroxy-4-phenyl-1-buten-1-yl]-5-oxo-, (2R)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Pyrrolidineheptanoic acid, 2-[(1E)-4,4-difluoro-3-hydroxy-4-phenyl-1-butenyl]-5-oxo-, (2R)- (9CI)
FS STEREOSEARCH
MF C21 H27 F2 N O4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 84.41 84.62

FILE 'CAPLUS' ENTERED AT 11:00:29 ON 23 JUL 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 23 Jul 2008 VOL 149 ISS 4
FILE LAST UPDATED: 21 Jul 2008 (20080721/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/legal/infopolicy.html

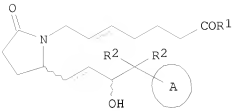
=> s l3
L4 3 L3

=> d l ibib abs

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:991395 CAPLUS
DOCUMENT NUMBER: 140:23287
TITLE: 2-Pyrrolidinone derivatives for use as EP4 receptor agonists in the treatment of eye diseases such as glaucoma
INVENTOR(S): Billot, Xavier; Young, Robert N.; Han, Yongxin
PATENT ASSIGNEE(S): Merck Frosst Canada & Co., Can.
SOURCE: PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003103772	A1	20031218	WO 2003-CA838	20030602
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2488001	A1	20031218	CA 2003-2488001	20030602
AU 2003233729	A1	20031222	AU 2003-233729	20030602

```
     AU 2003233729         B2    20071004
     EP 1513589            A1    20050316    EP 2003-727099          20030602
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     JP 2005537235         T     20051208    JP 2004-510890          20030602
     US 20050239872        A1    20051027    US 2004-511736          20041018
PRIORITY APPLN. INFO.:                       US 2002-386499P     P   20020606
                                             US 2003-460134P     P   20030403
                                             WO 2003-CA838       W   20030602

OTHER SOURCE(S):         MARPAT 140:23287
AB   This invention relates to 1,5-disubstituted 2-pyrrolidinone derivs. as
     potent selective agonists of the EP4 subtype of prostaglandin E2
     receptors, topical formulations containing the same, and their use in the
     treatment of glaucoma and other conditions which are related to elevated
     intraocular pressure in the eye of the patient.
REFERENCE COUNT:         4     THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d 2 ibib abs

L4   ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:        2002:240727  CAPLUS
DOCUMENT NUMBER:         136:279265
TITLE:                   EP4 receptor agonists containing 8-azaprostaglandin
                         derivatives as active ingredients
INVENTOR(S):             Maruyama, Tohru; Kobayashi, Kaoru; Maruyama, Takayuki
PATENT ASSIGNEE(S):      Ono Pharmaceutical Co., Ltd., Japan
SOURCE:                  PCT Int. Appl., 41 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                Japanese
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     WO 2002024647         A1    20020328    WO 2001-JP8176          20010920
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
             PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
             US, UZ, VN, YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2001090250         A     20020402    AU 2001-90250           20010920
PRIORITY APPLN. INFO.:                       JP 2000-286696      A   20000921
                                             WO 2001-JP8176      W   20010920

OTHER SOURCE(S):         MARPAT 136:279265
GI
```



I

AB EP4 receptor agonists contain as the active ingredients 8-azaprostaglandin derivs. represented by the general formula I [R1 = OH, etc.; ring A = benzene ring, etc.; both R2 are H or F; the dotted line indicates a single or double bond; a proviso is given]. The compds. represented by the general formula I are useful as preventives and/or remedies for immune diseases, asthma, diseases in association with decrease in bone mass, pulmonary injury, pulmonary fibrosis, bronchitis, chronic obstructive respiratory diseases, hepatitis, nephritis, hypertension, myocardial ischemia, systemic inflammatory syndrome, sepsis, burn, systemic granuloma, ulcerative colitis, Crohn's disease, multiorgan failure, etc. In an in vitro test for EP4 agonist activity, ±(R,S)-7-(2-((1E)-3-hydroxy-4-phenyl-1-butenyl)-5-oxopyrrolidino)heptanoic acid showed an EC50 value of 0.5 μM. Formulations are given.

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

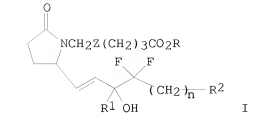
=> d 3 ibib abs

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

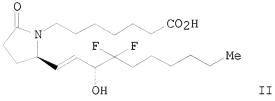
ACCESSION NUMBER: 1982:438745 CAPLUS
DOCUMENT NUMBER: 97:38745
ORIGINAL REFERENCE NO.: 97:6623a,6626a
TITLE: 8-Aza-16,16-difluoroprostanoids
INVENTOR(S): Scribner, Richard Merrill
PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA
SOURCE: Eur. Pat. Appl., 64 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 46082	A2	19820217	EP 1981-303641		19810810
EP 46082	A3	19820303			
EP 46082	B1	19850605			
R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE					
US 4320136	A	19820316	US 1980-176784		19800811
CA 1161447	A1	19840131	CA 1981-383299		19810806
DK 8103522	A	19820212	DK 1981-3522		19810807
JP 57054166	A	19820331	JP 1981-124205		19810810
AT 13667	T	19850615	AT 1981-303641		19810810
PRIORITY APPLN. INFO.:			US 1980-176784	A	19800811
			EP 1981-303641	A	19810810

OTHER SOURCE(S): CASREACT 97:38745; MARPAT 97:38745
GI



I



II

AB Racemic and optically active I [Z = CH2CH2, CH:CH, C.tplbond.C; R = H, C1-12 alkyl, cycloalkyl; R1 = H, Me, Et; R2 = Me, CF3, (un)substituted phenyl; n = 0-2 if R2 = aryl and 3-8 if R2 = Me or CF3] and their salts were prepared by appropriate modification of conventional methods. Typical of compds. prepared was II, whose Me ester gave better short-term gastric protection than PGE1 and at 5 mg/kg gave 80% protection against histamine-induced bronchoconstriction at 2 h orally.

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.85	102.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.40	-2.40

STN INTERNATIONAL LOGOFF AT 11:11:50 ON 23 JUL 2008